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Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-33490.1

First Named Inventor or Application Identifier

Male, Barry

Title

INTEGRATED THERMAL DIFFERENCE SENSOR FOR POWER  
DISSIPATING DEVICE

Express Mail Label No.

EL547742812US

**APPLICATION ELEMENTS**

See MPEP Chapter 600 concerning utility patent application contents

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total 12]  
Pages  
(preferred arrangement set forth below)
- Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
- Claim(s)
- Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC d113) [Total 4]  
Sheets
4. Oath or Declaration [Total Pages 3]
- a. ☐ Newly Executed (original or copy)
- b. ☒ Copy from a prior application (37 CFR §1.63(d))  
(for continuation/divisional with Box 17 completed)
- [Note Box 5 below]**
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application,  
see 37 CFR §1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of  
the oath or declaration is supplied under Box 4b, is considered as  
being part of the disclosure of the accompanying application and is  
hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identical of above copies

**ACCOMPANYING APPLICATION  
PARTS**

8. ☐ Assignment Papers (cover sheet & Documents(s))
9. ☐ 37 CFR §3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
12. ☒ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. ☐ Small Entity ☐ Statement filed in prior  
Statement(s) application  
(PTO/SB/09-12) Status still proper and desired
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Other:

\* A new statement is required to be entitled to pay small entity fees, except  
where one has been filed in a prior application and is being relied upon.

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

☐ Continuation☒ Divisional☐ Continuation-in-part (CIP)

of prior application No: 10/014,988

Prior application information: Examiner Tran, Mai Huong C.

Group / Art Unit: 2818

**18. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label

023494

(Insert Customer No. or Attach bar code label  
here)

Correspondence address below

|         |  |           |                |
|---------|--|-----------|----------------|
| NAME    | W. Daniel Swayze, Jr.<br>Texas Instruments Incorporate |           |                |
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|-------------------|---|-----------------------------------|--------|
| Name (Print/Type) | W. Daniel Swayze, Jr.                       | Registration No. (Attorney/Agent) | 34,478 |
| Signature         | <i>W. Daniel Swayze, Jr.</i> Date 2-13-2004 |                                   |        |

TI-33490.1

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.  
Express Mailing Label No.:

## Complete If Known

|                      |               |
|----------------------|---------------|
| Application Number   | TBD           |
| Filing Date          | 2/17/2004     |
| First Named Inventor | Barry J. Male |
| Examiner Name        | TBD           |
| Group Art Unit       | TBD           |
| Attorney Docket No.  | 33490.1       |

TOTAL AMOUNT OF PAYMENT (\$ ) 770

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
- Deposit Account Number: 20-0668
- Deposit Account Name: Texas Instruments Incorporated
- ☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☐ Applicant claims small entity status. See 37 CFR 1.27
2. ☐ Payment Enclosed:
- ☐ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description   | Fee Paid |
|--------------|--------------|----------|----------|---|----------|
| 1051         | 130          | 205      | 65       | Surcharge - late filing fee of oath                                     |          |
| 1052         | 50           | 227      | 25       | Surcharge - late provisional filing fee or cover sheet                  |          |
| 1053         | 130          | 139      | 130      | Non-English specification   |          |
| 1812         | 2,520        | 147      | 2,520    | For filing a request for <i>ex parte</i> reexamination                  |          |
| 1804         | 920*         | 112      | 920*     | Requesting publication of SIR prior to Examiner action                  |          |
| 1805         | 1,840*       | 113      | 1,840*   | Requesting publication of SIR after Examiner action                     |          |
| 1251         | 110          | 215      | 55       | Extension for reply within first month                                  |          |
| 1252         | 400          | 216      | 195      | Extension for reply within second month                                 |          |
| 1253         | 920          | 217      | 445      | Extension for reply within third month                                  |          |
| 1254         | 1,440        | 218      | 695      | Extension for reply within fourth month                                 |          |
| 1255         | 1,960        | 228      | 945      | Extension for reply within fifth month                                  |          |
| 1401         | 320          | 219      | 155      | Notice of Appeal  |          |
| 1402         | 320          | 220      | 155      | Filing a brief in support of an appeal                                  |          |
| 1403         | 280          | 221      | 135      | Request for oral hearing  |          |
| 1451         | 1,510        | 138      | 1,510    | Petition to institute a public use proceeding                           |          |
| 1452         | 110          | 240      | 55       | Petition to revive - unavoidable  |          |
| 1453         | 1,280        | 241      | 620      | Petition to revive - unintentional                                      |          |
| 1501         | 1,280        | 242      | 620      | Utility issue fee (or reissue)  |          |
| 1502         | 460          | 243      | 220      | Design issue fee  |          |
| 1503         | 620          | 244      | 300      | Plant issue fee   |          |
| 1460         | 130          | 122      | 130      | Petitions to the Commissioner   |          |
| 1807         | 50           | 123      | 130      | Petitions related to Prov'l Apps (Proc. Fee under 37 CFR 1.17(q))       |          |
| 1806         | 180          | 126      | 180      | Submission of information Disclosure Stmt                               |          |
| 8021         | 40           | 581      | 40       | Recording each patent assignment per property (times no. of properties) |          |
| 1809         | 740          | 246      | 355      | Filing a submission after final rejection (37 CFR §1.129(a))            |          |
| 1810         | 740          | 249      | 355      | For each additional invention to be examined (37 CFR §1.129(b))         |          |
| 1801         | 740          | 279      | 355      | Request for Continued Examination (RCE)                                 |          |
| 1802         | 900          | 169      | 900      | Request for expedited examination of a design application               |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ ) 0

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Fee Code | Entity (\$) | Small Fee Code | Entity (\$) | Fee Description        | Fee Paid  |
|----------------|-------------|----------------|-------------|------------------------|-----------|
| 1001           | 770         | 201            | 355         | Utility filing fee     | \$ 770    |
| 1002           | 330         | 206            | 160         | Design filing fee      |           |
| 1003           | 510         | 207            | 245         | Plant filing fee       |           |
| 1004           | 740         | 208            | 355         | Reissue filing fee     |           |
| 1005           | 160         | 214            | 75          | Provisional filing fee |           |
| SUBTOTAL (1)   |             |                |             |                        | (\$ ) 750 |

### 2. EXTRA CLAIM FEES

| Extra Claims          | Fee from below | Fee Paid |
|-----------------------|----------------|----------|
| Total Claims: 5       | -20** = X      | 18       |
| Independent Claims: 1 | -3** = X       | 86       |
| Multiple Dependent    |                | 270      |

| Large Fee Code | Entity (\$) | Small Fee Code | Entity (\$) | Fee Description   |
|----------------|-------------|----------------|-------------|---|
| 1202           | 18          | 203            | 9           | Claims in excess of 20                                    |
| 1201           | 84          | 202            | 40          | Independent claims in excess of 3                         |
| 1203           | 280         | 204            | 135         | Multiple dependent claim, if not paid                     |
| 1204           | 84          | 209            | 40          | **Reissue independent claims over original patent         |
| 1205           | 18          | 210            | 9           | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ ) 0

\*\*or number previously paid, if greater; For Reissue, see above

## SUBMITTED BY

Name (Print/Type)

W. Daniel Swayze, Jr.

Signature

*[Signature]*

Registration No. (Attorney/Agent)

34,478

Telephone

(972) 917-5633

Date

2-17-2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

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